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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/888,182A

DATE: 05/07/2002
TIME: 14:50:40

Input Set : A:\EP.txt
Output Set: N:\CRF3\05072002\I888182A.raw

ENTERED

3 <110> APPLICANT: Vertex Pharmaceuticals Incorporated
5 <120> TITLE OF INVENTION: ERK-5 DEFICIENT ANIMALS AND METHODS OF INHIBITING
ANGIOGENESIS THROUGH

6 THE INHIBITION OF ERK-5
8 <130> FILE REFERENCE: VPI/00-115
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/888,182A
11 <141> CURRENT FILING DATE: 2001-06-22
13 <150> PRIOR APPLICATION NUMBER: US60/214,044
14 <151> PRIOR FILING DATE: 2000-06-23
16 <160> NUMBER OF SEQ ID NOS: 6
18 <170> SOFTWARE: PatentIn version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 26
22 <212> TYPE: DNA
23 <213> ORGANISM: Mus musculus
25 <400> SEQUENCE: 1
26 cagccattcg atgtgggccc acgcta 26
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30 <211> LENGTH: 25
31 <212> TYPE: DNA
32 <213> ORGANISM: Mus musculus
34 <400> SEQUENCE: 2 25
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38 <210> SEQ ID NO: 3
39 <211> LENGTH: 802
40 <212> TYPE: DNA
41 <213> ORGANISM: Mus musculus
43 <220> FEATURE:
44 <221> NAME/KEY: misc_difference
45 <222> LOCATION: (1)..(802)
46 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid
49 <400> SEQUENCE: 3
W--> 50 cggcacctac tggccatat ggaggaattc agatctgtgt aaggagtg ggccaggagga 60
52 ggagacacag tcggatcatcg cttagaagcc cagttcagt aatactgaag ttctggcagg 120
54 gcgggtgaac ccagagtgtat gccccgtgt agtccaggac attggtaggg acagtttta 180
56 tctctcaaga gggcaaggc tggttatgtc gatcactgtt aggctgtatga gcatcttga 240
58 gtttttaggt tgacttcctt gtacaaaagg ggaaaagaat caagaggatt tacctttta 300
60 tggtcatgcc acctttgtt atatcataag ttcaaggcta gtctagacc tgttccaaaa 360
W--> 62 gacaaaacan aaaaccnnaaa cagcaatnta nganaaggga gagagggcnc agacngnccg 420
64 ggacagatcc aaattgttaag acaacggaca caatacattt tagtgtcaca cagcagtgtc 480
66 ctcatggcag acaactaatt attcacagaa taccttctta aaaatagagt cttcaacata 540
68 gcttttcag tagctttgg ccaaactgttag agtttgctt aaaattaacc atactggcca 600
W--> 70 atcttggtag atttgaatat ttctataaaaa aaaattttt ttgacagaaa ttangccat 660
W--> 72 ggagaaagtg atttgcaga aagcttgcataaaaagttgg ggctnggaaa aaacccgatt 720

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W--> 74	cgggtgattaa gatcactcgatcttttaaaaa gggacttggc tttaantncc ataatggnc	780
W--> 76	ttcacccgggg ggcntaaact tt	802
79	<210> SEQ ID NO: 4	
80	<211> LENGTH: 794	
81	<212> TYPE: DNA	
82	<213> ORGANISM: Mus musculus	
84	<220> FEATURE:	
85	<221> NAME/KEY: misc_difference	
86	<222> LOCATION: (1)..(794)	
87	<223> OTHER INFORMATION: Wherein n is selected from any nucleic acid	
90	<400> SEQUENCE: 4	
W--> 91	gattnaagat cccctcgatn tttnaaaaagg acttggnttc aagggaanag ngtntnnncg	60
W--> 93	gggnnaact tgaattggga cnccgggtt gggatcanac tcccttttngcctctgt	120
W--> 95	naccaggggc acccaagttag tacacatacg ttcagaaan catacacata cgtttaagaa	180
W--> 97	aactttataa aagttgtggc cagnccgggtt tggcgcatgc cttaatccc agcaactgggg	240
99	aggcagagggc aggcatctt cttagttt gggtttgagg ccaacctggc ctacaagagc	300
101	aagcaagttc caggccagat aaggctacac agacatcttgc tcttggaaaaa aagaaaagaaa	360
W--> 103	aatgaaaagt tgttagaaac ctaaaaccgg gtgnnnaant ccncncttcc catgntgtt	420
105	gtccttggg gtttcaactgt aaggccataa ctcaggaat tgggagtgcc aggggacgga	480
107	gtgccagggg gggctctcc ctgtgtatgtt aggaggctag ctcacccgtt tcttccatt	540
109	ttagctatg tggtaactggc ctcatggag agcgtacccat accagatcat tcactcttca	600
111	cagccgtca cccttggaca tggatatac ttccgttacc agctgttccg gggcctcaaa	660
113	tacatgcact ctgctcagggt catccacccgt gatctaaac cctctaacct tctggtaat	720
115	gagaactgtt agctcaagat cggtgactttt ggaatggccc gtggccttgc tacttcccc	780
117	tgccgagcac caga	794
120	<210> SEQ ID NO: 5	
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122	<212> TYPE: DNA	
123	<213> ORGANISM: Mus musculus	
125	<220> FEATURE:	
126	<221> NAME/KEY: misc_difference	
127	<222> LOCATION: (1)..(632)	
128	<223> OTHER INFORMATION: Wherein n is selected from any nucleic acid	
131	<400> SEQUENCE: 5	
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134	cacagttcca ctttggccca gggatggcat ctcaacatct ggacacacag gctactagc	120
W--> 136	cacaggctgc ananaagntg gaacgnattt tgncgaatg ccctccnngtc gtgcgtt	180
138	gtcttcattt tcagccacaa tggcttcattt aatgcgtcc ctggtaaggg cttcacgggt	240
140	caaaagcaaa gtcaaaagggt gggcgcaat caggttcatc atcagggtca tggtaacttag	300
W--> 142	ccagaagggg tgcgaaggca gcagcgttta gattccggcn ctgggttcaa ntgcacccat	360
144	gggtcccaggc agggagggg cttggcggtc agcacctggg tatactgtt cccaaaggcac	420
146	aggttgcattt ggtggcaggc tctggatata ggctgcacc ctttcagccc ccacagcctg	480
148	aatcacagct ggtgacggag ttcccaacac catcatgtatc agctgttaact ggtgcacgtt	540
150	gtttttgcctt gggaaagagct ggcggcggagc cagcatctca ccaaagatgc agccacacaga	600
152	ccagaggtcg attgctcgatgttgcgttgc	632
155	<210> SEQ ID NO: 6	
156	<211> LENGTH: 617	
157	<212> TYPE: DNA	
158	<213> ORGANISM: Mus musculus	

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160 <220> FEATURE:
161 <221> NAME/KEY: misc_difference
162 <222> LOCATION: (1)..(617)
163 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid
166 <400> SEQUENCE: 6

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W--> 169 ttaacccttgn aaanagttt tccctgaggc caagatagca natangctn nnggagnncn 120
W--> 171 aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaan gattagggag 180
W--> 173 antctgaaat gacctnanta tggtgagtag gaaggaaaga aggatcagtt aatncagtca 240
W--> 175 caancnnntg ctaactaacg ngcctcctnt ttatgttaagc nattagcanc ngttcnnng 300
W--> 177 ggcagttgga aattaaaatn ttgatataatg ttacacacag ggccntgcac cacagttaggg 360
W--> 179 acttnatgmn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag 420
181 gtactctctg gtatatgccc ttttcctgct ccccaggcca gcaggtggcc atcaagaaga 480
183 tacctaatgc ttttgatgtg gtgaccaatg ccaaacggac cctcagggag ctgaagatcc 540
185 tcaaacactt caaacacgac aatatcatcg ccatcaagga catcctgaag cctactgtgc 600
187 cctatggaga attcttc 617

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/07/2002
PATENT APPLICATION: US/09/888,182A TIME: 14:50:41

Input Set : A:\EP.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 4,370,377,388,391,394,409,415,417,654,705,766,768,778,794
Seq#:4; N Pos. 5,20,24,37,48,51,54,57,58,65,66,82,98,110,111,121,160,204
Seq#:4; N Pos. 394,395,396,399,403,405,415
Seq#:5; N Pos. 12,14,17,23,42,51,132,134,138,146,154,167,329,340,351
Seq#:6; N Pos. 18,22,23,29,36,37,43,46,50,51,52,56,57,70,74,101,105,110,111
Seq#:6; N Pos. 112,117,118,120,144,145,150,166,170,182,196,198,234,244,246
Seq#:6; N Pos. 247,248,261,269,281,289,291,297,298,320,345,365,369,370,371
Seq#:6; N Pos. 373,378